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Jameco Part Number
136400

PICProto8 Prototyping Board

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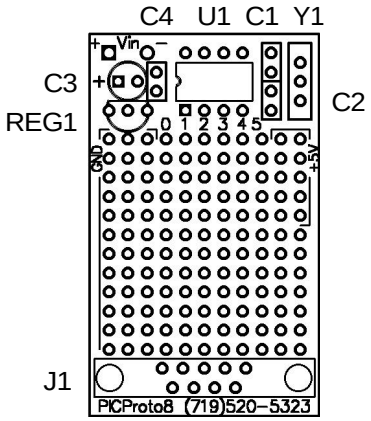
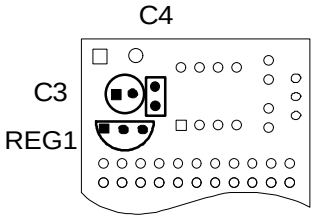


- ❖ High quality double-sided board
- ❖ Solder mask both sides
- ❖ Overall dimensions 1.2" X 2"

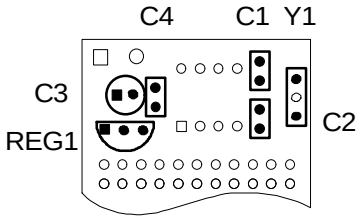
U1 - PIC12C508, 509, 518, 519, 671 or 672
Y1 - crystal or ceramic resonator
C1, 2 - crystal capacitors
C3 - input capacitor
C4 - bypass capacitor
REG1 - 5 volt regulator
J1 - DB9 connector

0-5 - General purpose I/O lines

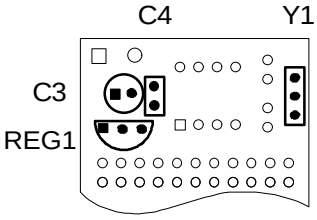
Parts Placement:



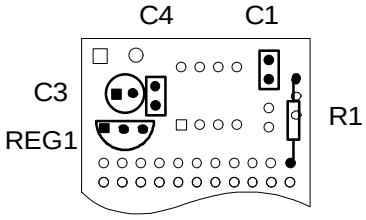
TO-92 Regulator
REG1 = 78L05
C3 = .1 - 10uf
C4 = .01 - .1uf



Crystal
Y1 = DC - 4MHZ
C1 = 15 - 30pf
C2 = 15 - 300pf



Ceramic Resonator
Y1 = DC - 4MHZ
C1, 2 = 10 - 100pf
or none if internal

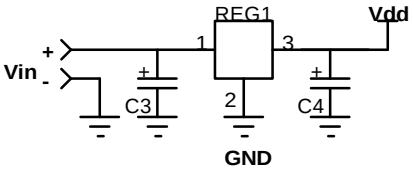


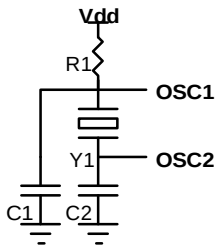
RC Oscillator
3K ≤ R1 ≤ 100K
C1 ≥ 20pf
C2 = none

Assembly Notes:

Pin 1 of U1 is marked with a square pad.
Note polarity of Vin, REG1 and any polarized capacitors.
Tie pin 4 high if MCLR is externally enabled.

Schematic:





Sources:

PICmicro documentation is available from:
Microchip Technology Inc.
2355 West Chandler Blvd.
Chandler AZ 85224-6199
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www.microchip.com

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